

Message

From: Burdett, Cheryl [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=E8F84378969242DBA5EB260C1CC89FB8-CBURDETT]
Sent: 7/19/2018 1:47:51 PM
To: Daisy Wang [Daisy.Wang@erg.com]
Subject: FW: Additional plot
Attachments: Isotopes_Analysis_fields_15Nvs18O-2.pdf

Hi Daisy,

Attached is a map Region 5 created using the Oxygen isotope data and the Nitrate Isotope data and each symbol represents where it was in relations to crop fields and Central Sands Dairy, LLC. Renee Brooks, Region 10 provides a summary in the e-mail below of how she interprets what that data means. I am going to request Dr. Snow to provide me with a report of graphs with the sample's identifying sample number and ask him to summarize what the data means.

Sincerely,

Cheryl Burdett
R5 EPA/WECA
CAFO Program Manager
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From: Brooks, J. Renee
Sent: Tuesday, July 17, 2018 12:48 PM
To: Maraldo, Dean <Maraldo.Dean@epa.gov>; Burdett, Cheryl <burdett.cheryl@epa.gov>; Wilson, Jennifer <wilson.jenniferA@epa.gov>; Gunter, Kenneth <gunter.kenneth@epa.gov>
Subject: RE: Additional plot

Ex. 5 Deliberative Process (DP)

Renee

From: Maraldo, Dean
Sent: Tuesday, July 17, 2018 9:48 AM
To: Brooks, J. Renee <Brooks.Reneej@epa.gov>; Burdett, Cheryl <burdett.cheryl@epa.gov>; Wilson, Jennifer <wilson.jenniferA@epa.gov>; Gunter, Kenneth <gunter.kenneth@epa.gov>
Subject: Re: Additional plot

Renee: here are the dual isotope plots for 1) downgradient and upgradient of fields; 2) downgradient of CAFO only; 3) downgradient of fields by depths; 4) downgradient of CAFO by depth. I ran out of time and couldn't add a legend with point concentrations, but you'll get the general idea of scale.

Providing the spreadsheet as well.

Thanks,

Dean

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From: Brooks, J. Renee
Sent: Monday, July 16, 2018 1:29 PM
To: Burdett, Cheryl; Wilson, Jennifer; Maraldo, Dean; Gunter, Kenneth
Cc: Kuefler, Patrick
Subject: Additional plot

Hi All,

I made a new dual isotope plot that had point size indicate concentration. We should plan on skyping as well so we can share a screen. Dean, can you make a map of the site with NO₃_NO₂ concentration as the point size? Like those that you did for the isotopes.

Thanks and talk to you this afternoon.
Renée

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